

Objection to the Drawings

*approved
by examiner
9/27/04*

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5). The drawings have been amended in accordance with the comments of the Examiner to include reference numerals 3 and 4. Support for these amendments are provided throughout the specification and specifically on page 6, lines 26-28. Thus, it is respectfully submitted no new matter is added by these amendments. In view of the above remarks and amendments to figure 1, it is respectfully submitted that this objection is satisfied and should be withdrawn.

Rejection of claims 1-4, 6 and 9 under 35 U.S.C. 102(b)

Claims 1-4, 6 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by Grybos et al.

The present claimed invention recites a source-antenna for transmitting/receiving electromagnetic waves. The source-antenna includes, on a support, an array of n independent radiating elements operating in a first frequency band for receiving or transmitting electromagnetic waves and an element with longitudinal radiation situated at the center of the array operating in a second frequency band for transmitting or receiving electromagnetic waves. The second frequency band is situated at the center of the array. The longitudinal radiation element has an axis of radiation and each independent radiating element from the array has its own radiation axis. Each radiation axis is different for each independent radiating element and different from the axis of radiation of the longitudinal radiation element. The array of n radiating elements and the element with longitudinal radiation have a substantially common phase center, the n radiating elements being arranged symmetrically about the longitudinal-radiation element where each radiating element of the array consists of a traveling wave antenna.

Grybos et al. disclose a source antenna for transmitting/receiving EM waves comprising of an array of radiating elements operating in a first frequency band and a